SPW1. Project Effects on Water Quality Designated Beneficial Uses for Surface Waters

Water Quality: Upper Feather River

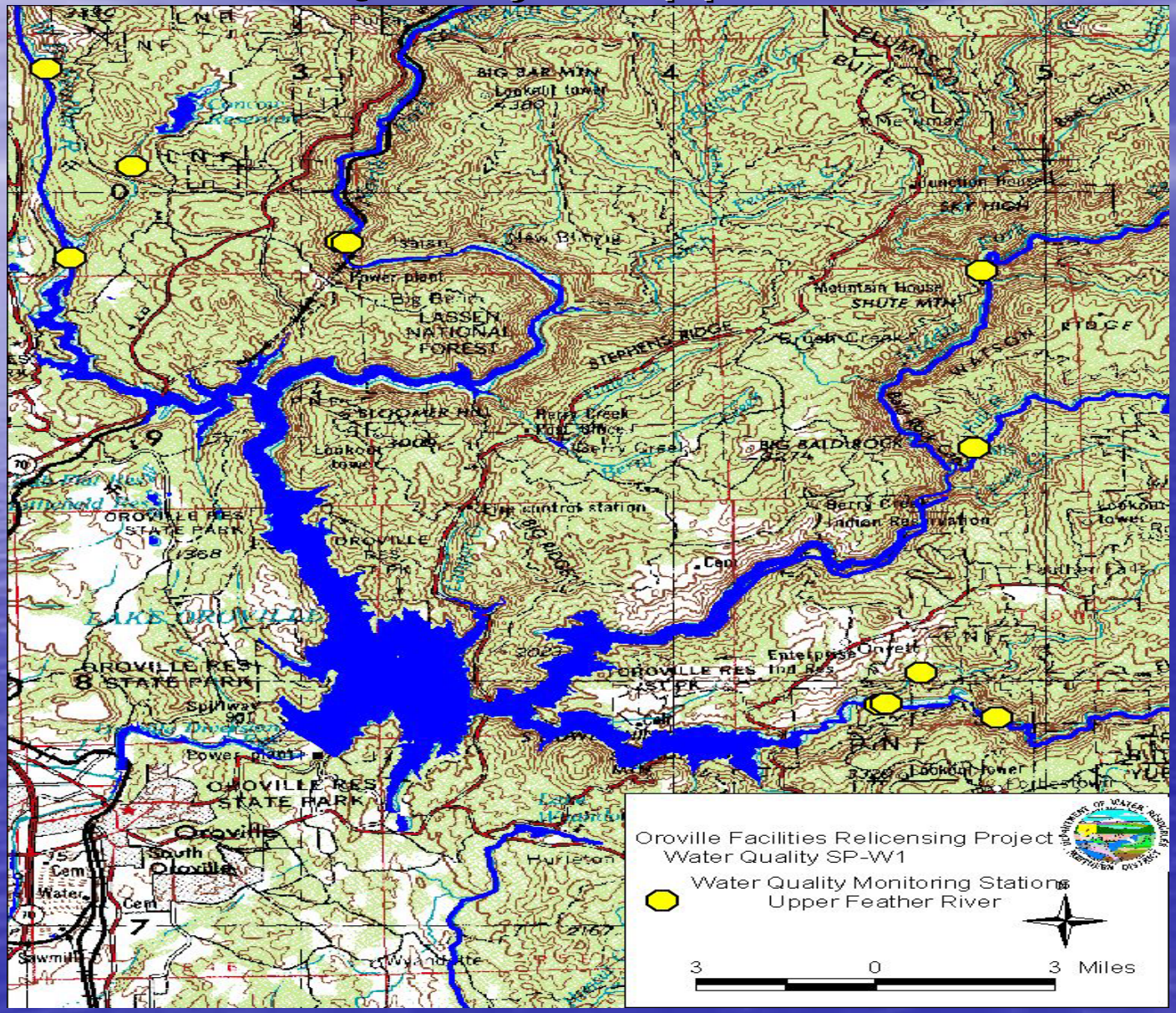
Progress Summary
September 24, 2003

Ryan Martin
Northern District
Cal. Dept. of Water Resources

SPW1. Water Quality: Upper Feather River

- Water Quality Stations
  - West Branch Feather River near Paradise
  - Concow Creek at Jordan Hill Road
  - North Fork Feather River upstream of Poe PH
  - Poe PH Outflow
  - Feather River Middle Fork near Merrimac
  - Fall River upstream from Feather Falls
  - Sucker Run Creek near Forbestown
  - South Fork Feather River upstream from Ponderosa Reservoir
  - South Fork Feather River downstream from Ponderosa Reservoir

SPW1. Water Quality: Upper Feather River



SPW1. Water Quality: Upper Feather River

- General Approach
  - Monthly sampling of water quality stations
    - Began sampling March 2002
  - First flush, and storm runoff events
  - Parameters analyzed
    - Physical constituents (dissolved oxygen, pH, electrical conductivity, etc..)
    - Chemical constituents (minerals, nutrients, metals)
    - Pesticides

SPW1. Water Quality: Upper Feather River

- Results
  - March 2002 through May 2003
  - Physical constituents
    - No data issues at this time
  - Chemical constituents
    - Minerals – no data issues at this time
    - Nutrients – no data issues at this time
    - Metals - some criteria exceeded at all stations (see handout)

SPW1. Water Quality: Upper Feather River

- Next steps
  - Collect samples through March 2004
  - Summarize all data and compare to numerical or narrative objectives
  - Identify any problems and possible solutions for these problems

SPW1. Project Effects on Water Quality Designated Beneficial Uses for Surface Waters

Water Quality: Oroville Wildlife Area Ponds

Progress Summary
September 24, 2003

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SPW1. Water Quality: Oroville Wildlife Area Ponds

- Stations
  - Oroville Fishing Pond (south pond)
  - Robinson Riffle Pond
  - Upper Pacific Heights Pond
  - Lower Pacific Heights Pond
  - Mile Long Pond

SPW1. Water Quality: Oroville Wildlife Area Ponds

SPW1. Water Quality: Oroville Wildlife Area Ponds

- General Approach
  - Monthly sampling of water quality stations
    - Began sampling June 2002
  - Parameters analyzed
    - Physical constituents (dissolved oxygen, pH, electrical conductivity, etc..)
    - Chemical constituents (minerals, nutrients, metals)
    - Pesticides

SPW1. Water Quality: Oroville Wildlife Area Ponds

- Results
  - June 2002 through May 2003
  - Physical constituents
    - Low dissolved oxygen levels
    - No other issues at this time
  - Chemical constituents
    - Minerals – no data issues at this time
    - Nutrients – no data issues at this time
    - Metals - some criteria exceeded at all stations (see handout)

SPW1. Water Quality: Oroville Wildlife Area Ponds

- Next Steps
  - Collect samples through June 2004
  - Summarize data and compare to numerical and narrative objectives
  - Develop and discuss solutions for water quality issues